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Bostian

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(54) **LOW SCRAP TRAY**

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(51) **Int. Cl.**

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B65D 5/42	(2006.01)
B65D 5/20	(2006.01)
B65D 5/468	(2006.01)

(52) **U.S. Cl.**
CPC ***B65D 5/4266*** (2013.01); ***B65D 5/2085*** (2013.01); ***B65D 5/22*** (2013.01); ***B65D 5/307*** (2013.01); ***B65D 5/4608*** (2013.01)

(58) **Field of Classification Search**
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USPC 229/164, 169, 170, 174, 177
See application file for complete search history.

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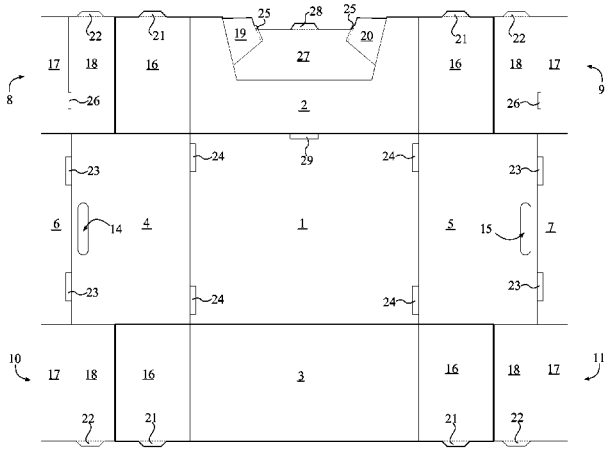
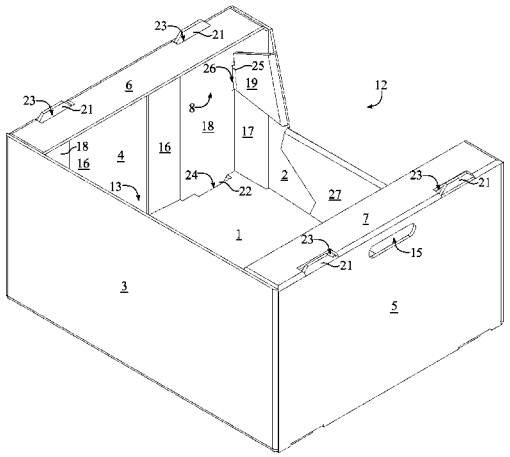
Primary Examiner — Gary Elkins

(57) **ABSTRACT**

A low scrap tray is constructed from a single sheet of material to act as a retail display tray, reducing the waste from traditional container construction processes. The low scrap tray includes a bottom panel, a front panel, a rear panel, a left panel, a right panel, a left inward rim, a right inward rim, a front-left flap assembly, a front-right flap assembly, a rear-left flap assembly, a rear-right flap assembly, a front opening, and a top opening. The front panel, the rear panel, the left panel, the right panel, the front opening, the left inward rim, the right inward rim and the top opening define a storage space when the low scrap tray is operatively configured. The front-left flap assembly, the front-right flap assembly, the rear-left flap assembly, and the rear-right flap assembly secure the positioning of front panel, the rear panel, the left panel, and the right panel.

13 Claims, 8 Drawing Sheets





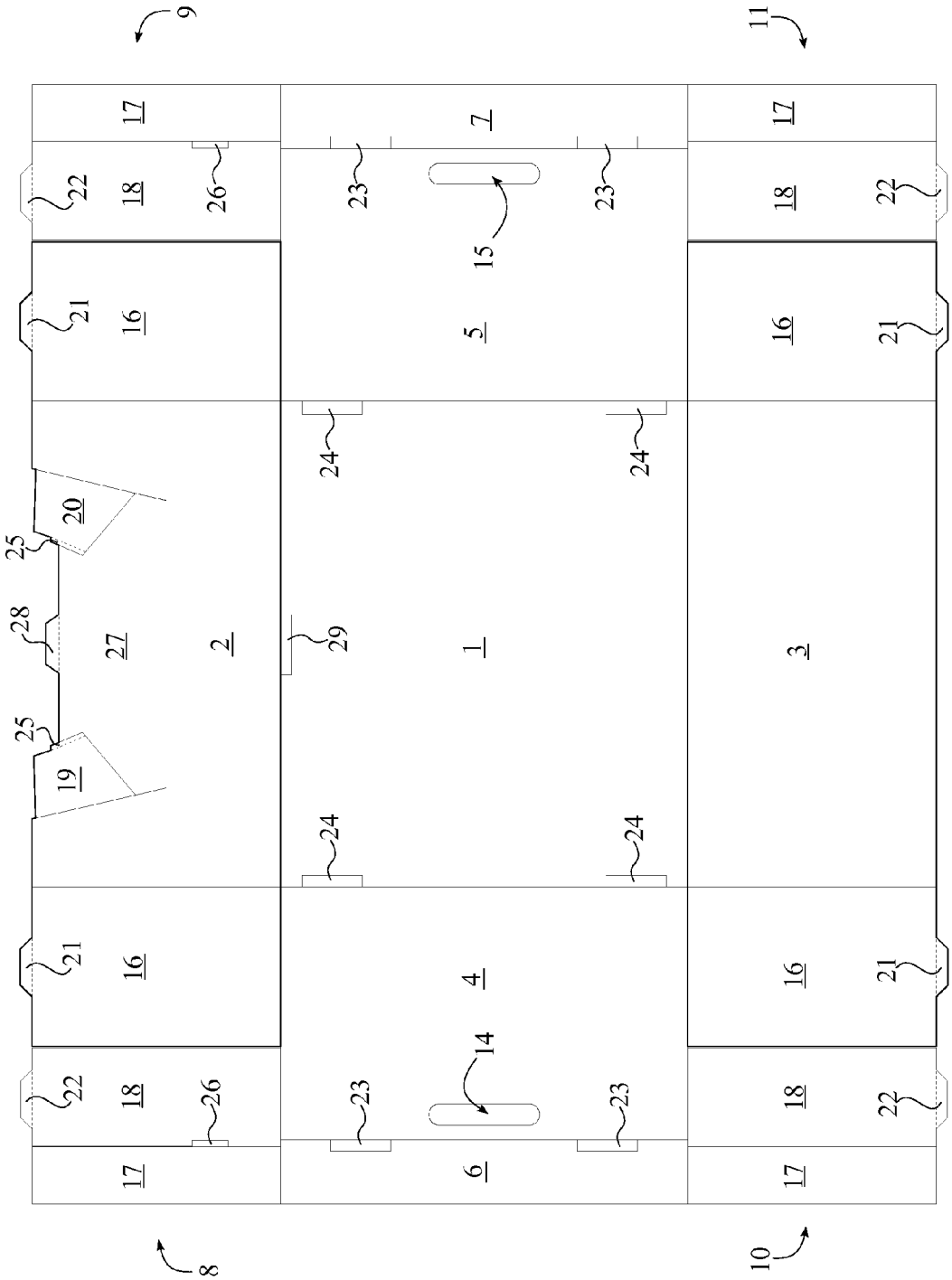


FIG. 1

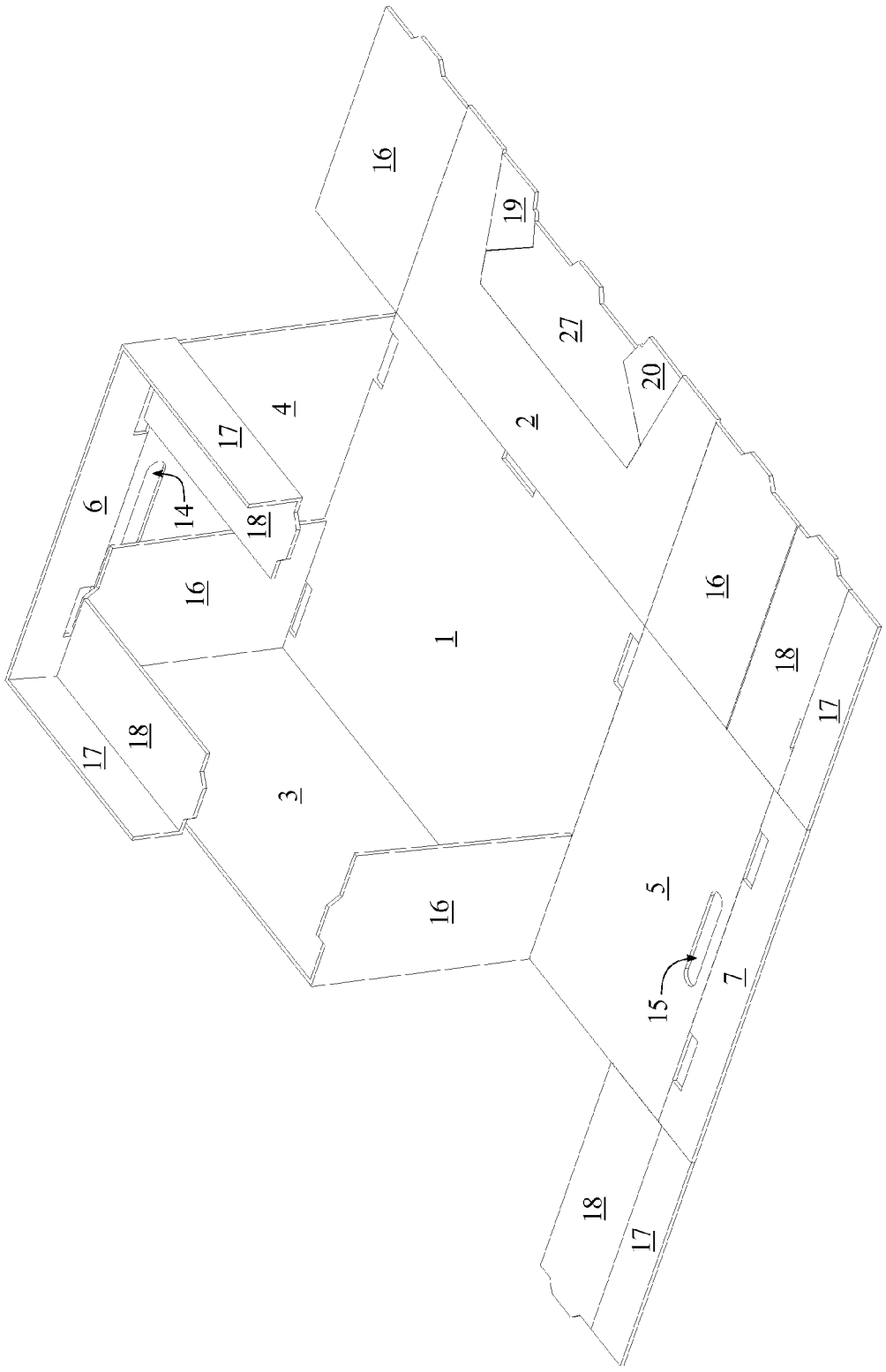


FIG. 2

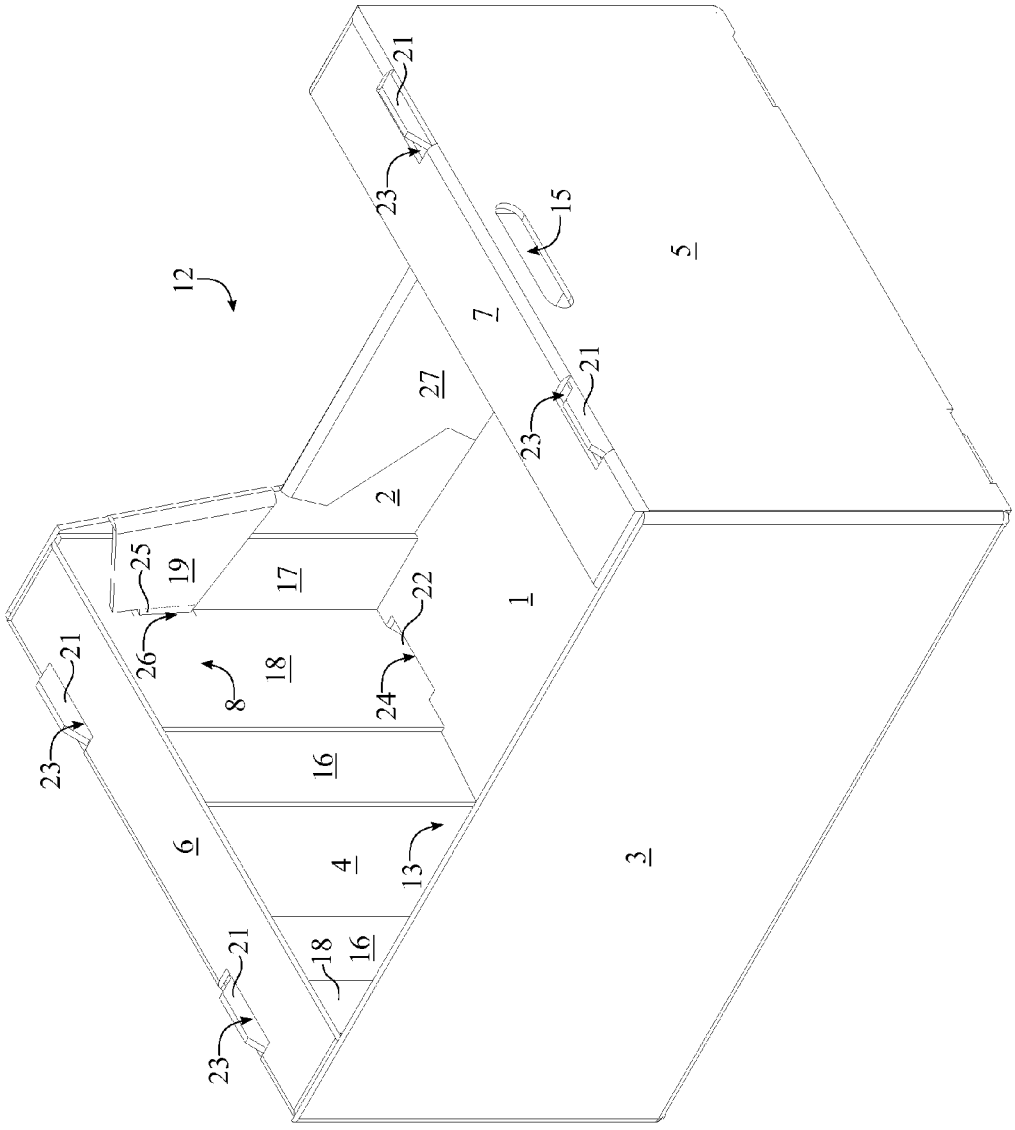


FIG. 3

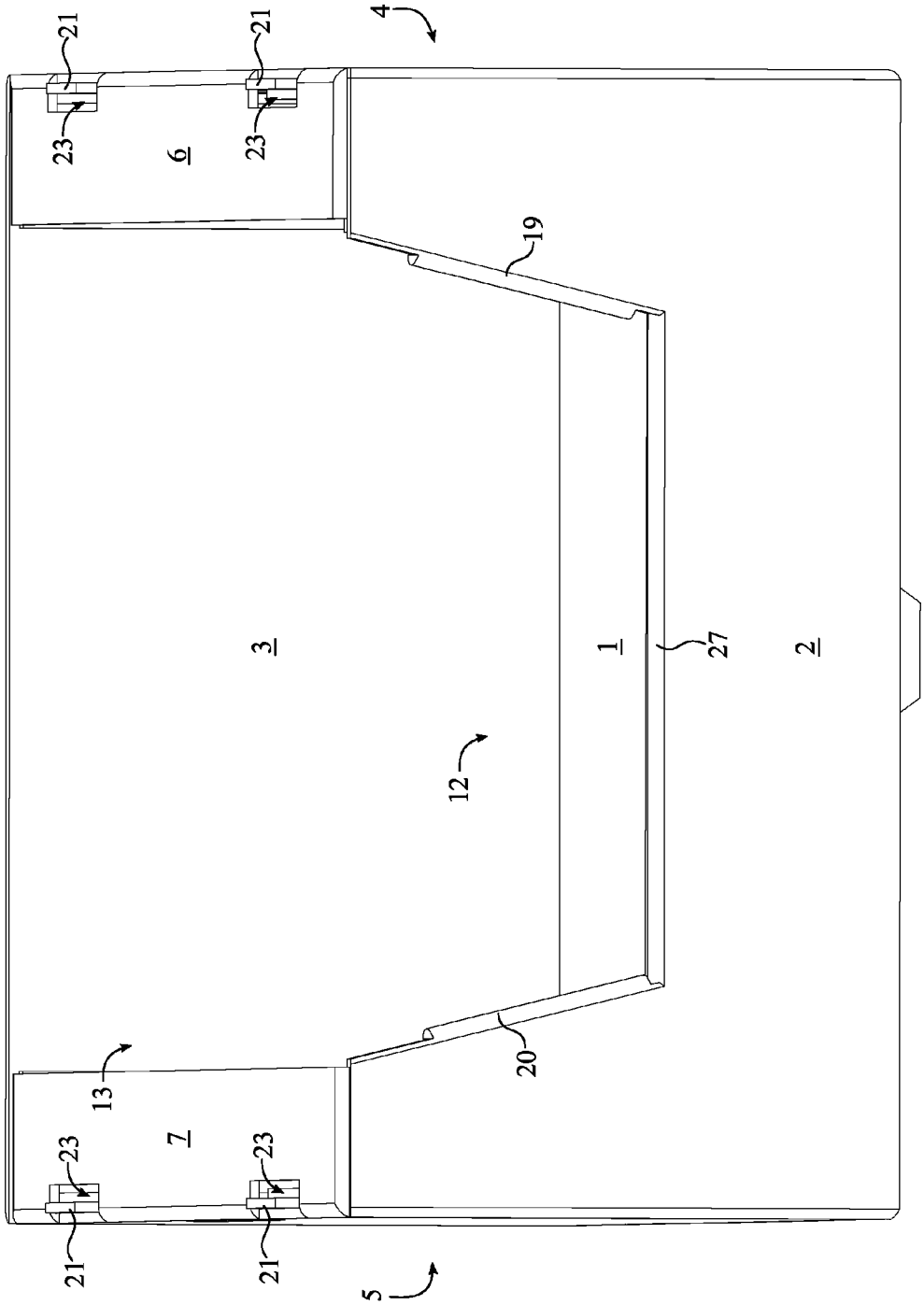


FIG. 4

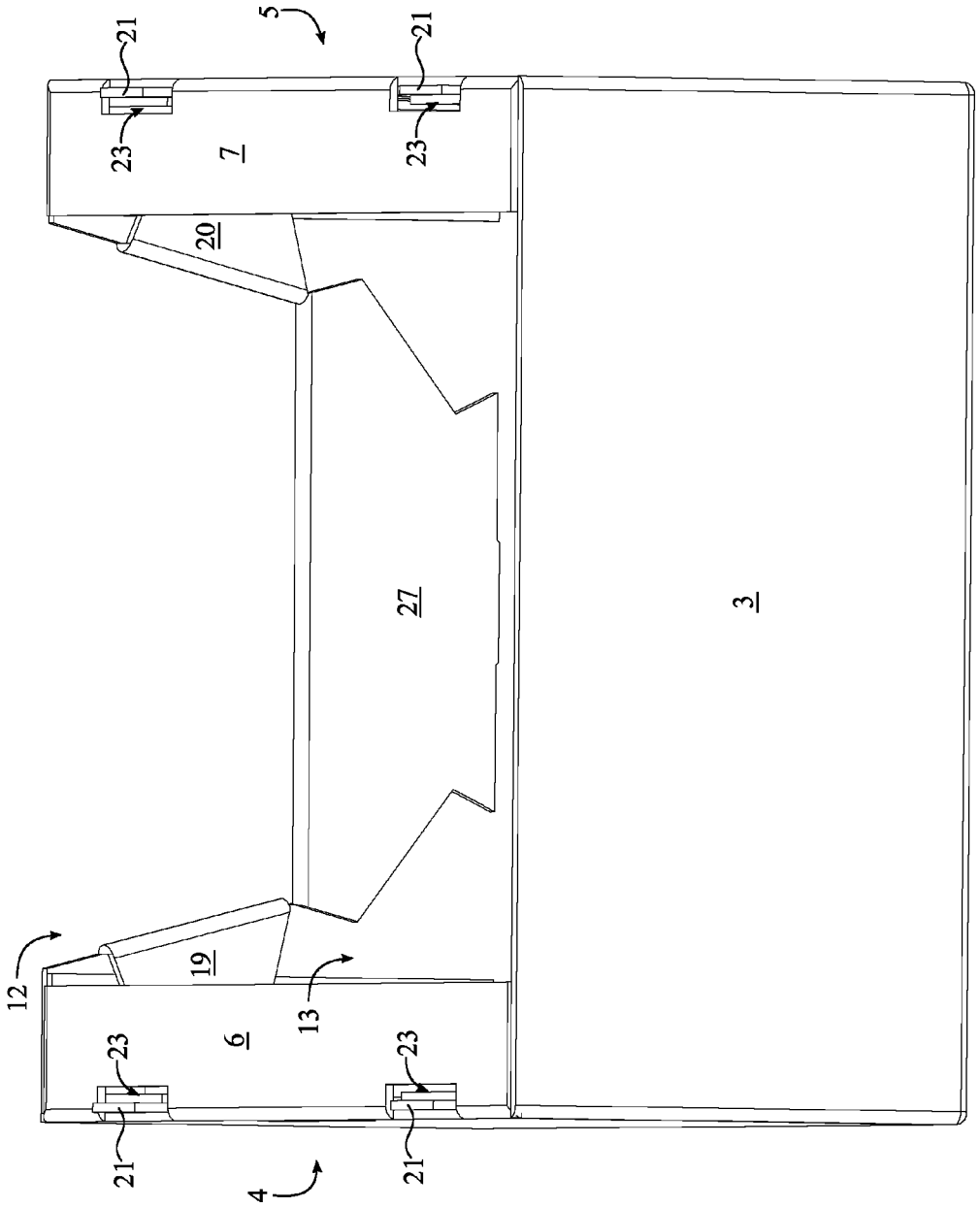


FIG. 5

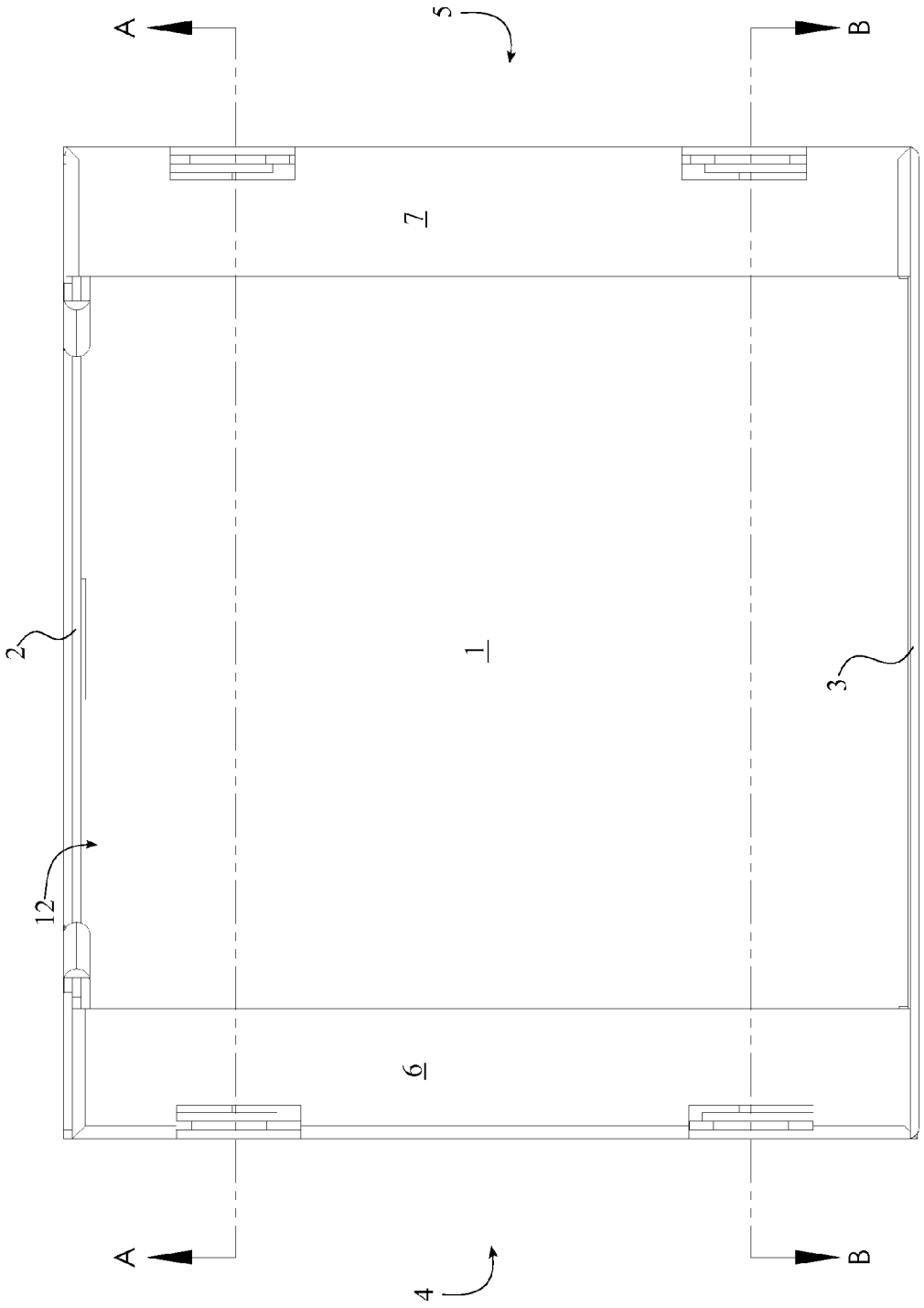
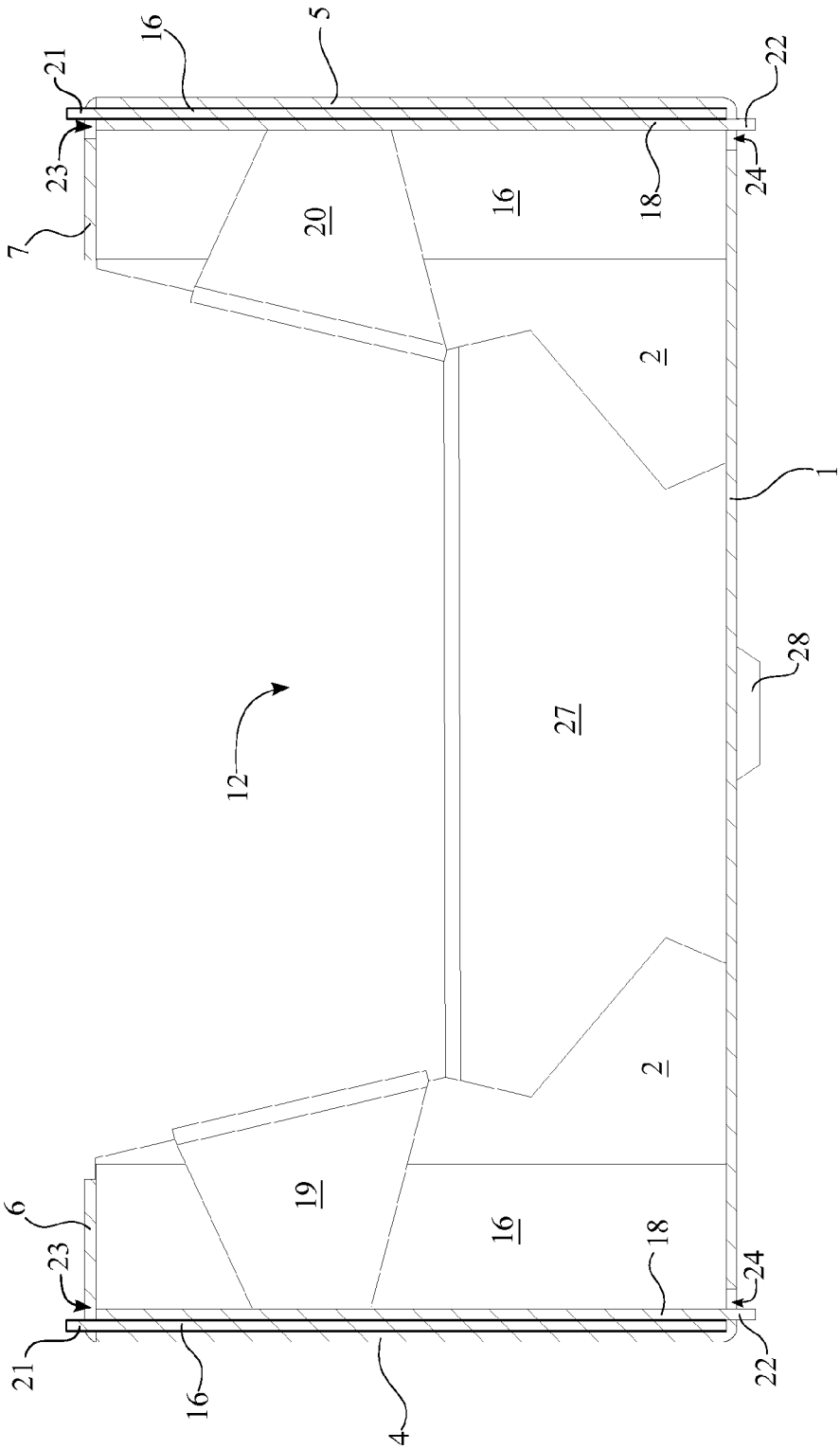


FIG. 6



Section A-A

FIG. 7

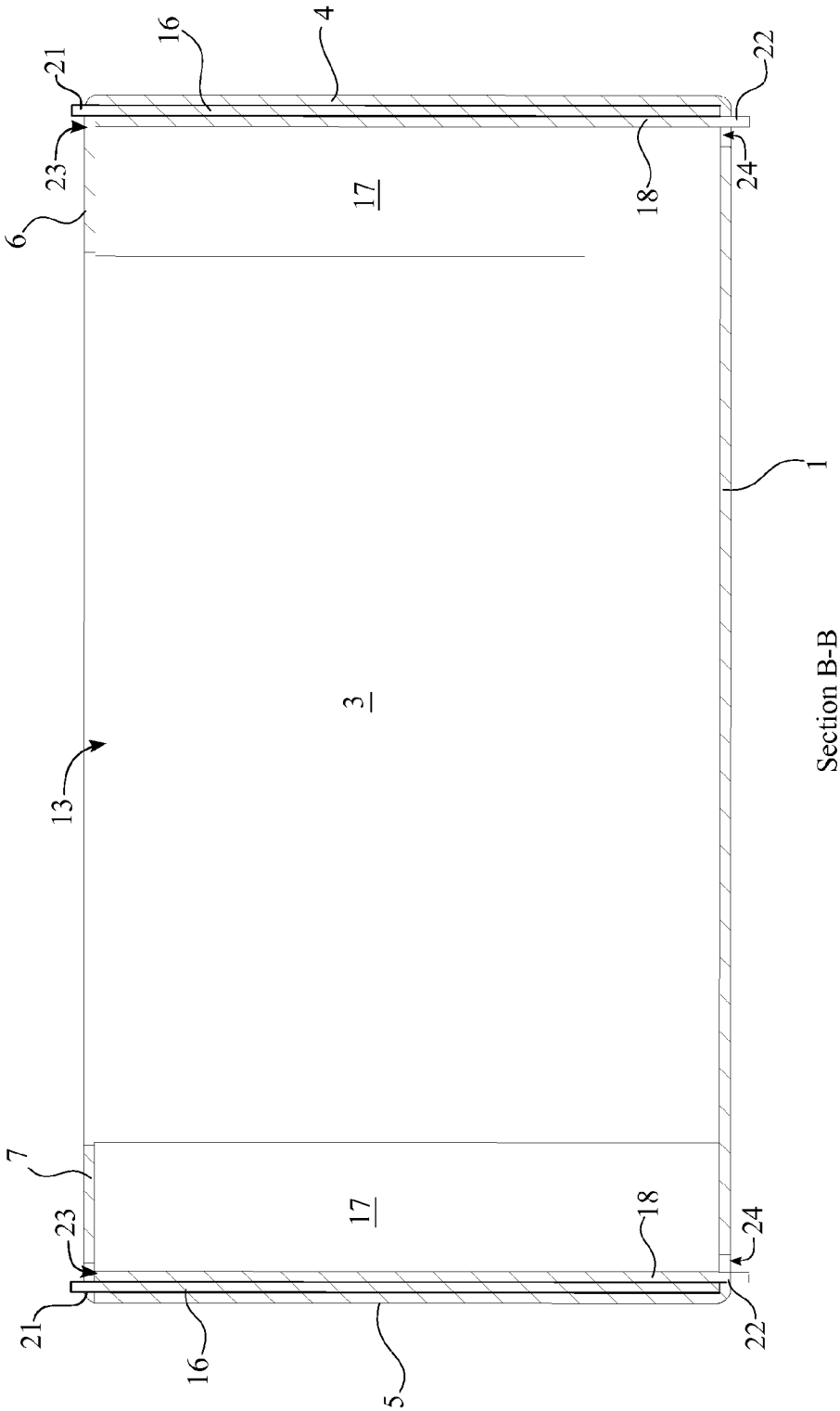


FIG. 8

LOW SCRAP TRAY

FIELD OF THE INVENTION

The present invention relates generally to a retail display tray. More specifically, the present invention relates to a retail display tray that is created through folding several parts of a single sheet.

BACKGROUND OF THE INVENTION

Traditionally, containers are formed through various pressing, molding, shaping, and other techniques to create a hollow body for which items within can be conveniently or easily transported or stored. Generally, these containers are cut to shape or made of a moldable material. Cutting the containers to shape creates a lot of scrap material that may be used for additional containers but may simply be wasted or thrown away.

Additionally, the method of cutting containers generally requires an adhesive raising capital cost and materials needed for the process. Moldable materials include a larger capital cost than other materials able to be bent and cut, for example cardboard. Moldable materials require large amounts of energy to prepare the material to be pliable enough to press or pour into a mold of the final shape. For more complex designs, molds for individual components may be a necessary inclusion in the process; multiple molds would further increase the cost of production in addition to the workforce needed to assemble the final product.

The present invention is for a low scrap tray which allows for a container to be formed through a plurality of folds and locking tabs. The configuration of the low scrap tray allows for it to be crafted from a single sheet of material. The folds provide increased support for the container while the tabs lock the configuration of the present invention in place. An objective of the present invention is to reduce the material cost and waste for forming a retail display tray.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a top view of the present invention in the unfolded configuration.

FIG. **2** is a perspective view of the present invention in a partially assembled state.

FIG. **3** is a perspective view of the present invention in a fully assembled state.

FIG. **4** is a front perspective view of the present invention.

FIG. **5** is a rear perspective view of the present invention

FIG. **6** is a top view of the present invention.

FIG. **7** is a cross-sectional view of the present invention along line A-A of FIG. **4**.

FIG. **8** is a cross-sectional view of the present invention along line B-B of FIG. **4**.

DETAIL DESCRIPTIONS OF THE INVENTION

All illustrations of the drawings are for the purpose of describing selected versions of the present invention and are not intended to limit the scope of the present invention.

The present invention is for a low scrap tray which reduces the waste and excess materials needed to create a retail display tray. Through several folds and locking fasteners, a flat piece of material is able to be arranged into a retail display tray. In accordance to FIG. **1**, the present invention comprises a bottom panel **1**, a front panel **2**, a rear panel **3**, a left panel **4**, a right panel **5**, a left inward rim **6**, a right inward rim **7**, a front-left flap assembly **8**, a front-right flap assembly **9**, a rear-left flap assembly **10**, a rear-right flap assembly **11**, a front opening **12**, and a top opening **13**. The aforementioned components delineate a retail display tray when the present invention is configured into a rectangular prism, the preferred configuration. The front panel **2** and the left panel **4** are interlocked with each other by the front-left flap assembly **8**, and the front panel **2** and right panel **5** are interlocked by the front-right flap assembly **9**, which forms the front two corners of the retail display tray. Similarly, the rear panel **3** and the left panel **4** are interlocked with each other by the rear-left flap assembly **10**, and the rear panel **3** and the right panel **5** are interlocked with each other by the rear-right flap assembly **11**, which forms the rear two corners of the retail display tray. The left inward rim **6** and the right inward rim **7** are perpendicularly positioned to the left panel **4** and the right panel **5**, respectively, opposite from the bottom panel **1**, which allows the present invention to further enclose the contents of the retail display tray. The front opening **12** and the top opening **12** are shaped in a manner that allows a user to easily insert objects into the present invention and to easily remove objects from the present invention. Thus, the front opening **12** traverses through the front panel **2**, and the top opening **13** is perimetrically delineated by the front opening **12**, the left inward rim **6**, the right inward rim **7** and the rear panel **3**, as shown in FIG. **6**.

The left panel **4**, the right panel **5**, the front panel **2** and the rear panel **3** are used to laterally contain the contents within the present invention. The left panel **4**, the right panel **5**, the front panel **2** and the rear panel **3** are each foldably and adjacently connected to the bottom panel **1**. The left panel **4** is opposite to the right panel **5** across he bottom panel **1**. Similarly, the rear panel **3** is opposite to the front panel **2** along the bottom panel **1**. This configuration allows the left panel **4**, the right panel **5**, the front panel **2** and the rear panel **3** to be positioned perpendicular to the bottom panel **1** and to define the storage space. The rear panel **3** and the left panel **4** are shown in the perpendicular position in FIG. **2**, depicting an intermediate configuration of the present invention from an unfolded configuration in FIG. **1** to the preferred configuration shown in FIG. **3**, FIG. **4**, and FIG. **5**. The left inward rim **6** is foldably and adjacently connected to the left panel **4**, opposite the bottom panel **1**. The right inward rim **7** is foldably and adjacently connected to the right panel **5**, opposite the bottom panel **1**. The flexibility for the connections allows a user to manipulate the present invention in order to create a storage space delineated by the bottom panel **1**, the front panel **2**, the left panel **4**, the right panel **5**, the rear panel **3**, the left inward rim **6**, and the right inward rim **7**, as shown in FIG. **3** to FIG. **5** from a sheet of material as shown in FIG. **1**.

In the preferred embodiment of the present invention, the left panel **4**, the right panel **5**, the front panel **2**, the rear panel **3**, the left inward rim **6**, and the right inward rim **7** are secured in the preferred configuration, wherein they are oriented to the bottom panel **1** through implementation of the front-left flap assembly **8**, the front-right flap assembly **9**, the rear-left assembly, and the rear-right flap assembly **11**, as well as a left locking flap **19**, and a right locking flap **20**. The front-left flap assembly **8**, the front-right flap assembly **9**, the rear-left flap assembly **10**, and the rear-right flap assembly **11** each comprise a bracing flap **16**, a first support flap **17**, and a second support flap **18**. The bracing flap **16**, the first support flap **17**, and the second support flap **18** of the front-left flap assembly **8** provide structural support between the front panel **2** and the left panel **4**. The bracing flap **16** of

the front-left flap assembly **8** is foldably and adjacently connected to the front panel **2** and positioned parallel to the left panel **4**, reinforcing the left panel **4**. The first support flap **17** of the front-left flap assembly **8** is foldably and adjacently connected to the left inward rim **6** and positioned parallel against the front panel **2**, reinforcing the front panel **2**. The second support flap **18** of the front-left flap assembly **8** is foldably and adjacently connected to the first support flap **17** of the front-left flap assembly **8** and positioned parallel against the bracing flap **16** of the front-left flap assembly **8**, further reinforcing the left panel **4**. The left locking flap **19** is foldably connected to the front panel **2**, adjacent to the front opening **12** and positioned parallel against the first support flap **17** of the front-left flap assembly **8** in order to widen the front opening **12** as well as to secure the second support flap **18** of the front-left flap assembly **8** in position.

In order to secure the front-left flap assembly **8** in position with the front panel **2** and the left panel **4**, the preferred embodiment of the front-left flap assembly **8** further comprises an upper tab **21**, a lower tab **22**, an upper slot **23**, and a lower slot **24**. The upper tab **21** of the front-left flap assembly **8** is adjacently connected to the bracing flap **16** of the front-left flap assembly **8**, opposite the bottom panel **1**. The upper slot **23** of the front-left flap assembly **8** traverses through the left inward rim **6**, adjacent to the bracing flap **16** of the front-left flap assembly **8**. The upper slot **23** of the front-left flap assembly **8** is engaged by the upper tab **21** of the front-left flap assembly **8** to secure the position of the bracing flap **16** of the front-left flap assembly **8**, as shown in FIG. **3** to FIG. **5** and FIG. **7**. The lower tab **22** of the front-left flap assembly **8** is adjacently connected to the second support flap **18** of the front-left flap assembly **8**, opposite the left inward rim **6**. The lower slot **24** of the front-left flap assembly **8** traverses through the bottom panel **1**, adjacent to the second support flap **18** of the front-left flap assembly **8**. The lower slot **24** of the front-left flap assembly **8** is engaged by the lower tab **22** of the front-left flap assembly **8**, as shown in FIG. **7**, in order to secure the front-left flap assembly **8** to the bottom panel **1**, the front panel **2** and the left panel **4**.

Moreover, the left locking flap **19** comprises a locking tab **25**, and the second support flap **18** of the front-left flap assembly **8** comprises a locking slot **26**. The locking tab **25** of the left locking flap **19** is adjacently connected to the left locking flap **19**, opposite to the front panel **2**. The locking slot **26** traverses through the second support flap **18**, adjacent to the left locking flap **19**. The locking slot **26** of the front-left flap assembly **8** is engaged by the locking tab **25** of the left locking flap **19** in order to further secure the front-left flap assembly **8** in the preferred configuration, as shown in FIG. **3**.

Similarly, the bracing flap **16**, the first support flap **17**, and the second support flap **18** of the front-right flap assembly **9** provide structural support between the front panel **2** and the right panel **5**. The bracing flap **16** of the front-right flap assembly **9** is foldably and adjacently connected to the front panel **2** and positioned parallel to the right panel **5**, reinforcing the right panel **5**. The first support flap **17** of the front-right flap assembly **9** is foldably and adjacently connected to the right inward rim **7** and positioned parallel against the front panel **2**, reinforcing the front panel **2**. The second support flap **18** of the front-right flap assembly **9** is foldably and adjacently connected to the first support flap **17** of the front-right flap assembly **9** and positioned parallel against the bracing flap **16** of the front-right flap assembly **9**, further reinforcing the right panel **5**. The right locking flap **20** is foldably connected to the front panel **2**, adjacent to the front opening **12** and positioned parallel against the first support flap **17** of the front-right flap assembly **9** in order to widen the front opening **12** as well as to secure the second support flap **18** of the front-right flap assembly **9** in position. The left locking flap **19** and the right locking flap **20** are positioned opposite to each other across the front opening **12**.

In order to secure the front-right flap assembly **9** in position with the front panel **2** and the right panel **5**, the preferred embodiment of the front-right flap assembly **9** further comprises an upper tab **21**, a lower tab **22**, an upper slot **23**, and a lower slot **24**. The upper tab **21** of the front-right flap assembly **9** is adjacently connected to the bracing flap **16** of the front-right flap assembly **9**, opposite the bottom panel **1**. The upper slot **23** of the front-right flap assembly **9** traverses through the right inward rim **7**, adjacent to the bracing flap **16** of the front-right flap assembly **9**. The upper slot **23** of the front-right flap assembly **9** is engaged by the upper tab **21** of the front-right flap assembly **9** to secure the position of the bracing flap **16** of the front-right flap assembly **9**, as shown in FIG. **3** to FIG. **5** and FIG. **7**. The lower tab **22** of the front-right flap assembly **9** is adjacently connected to the second support flap **18** of the front-right flap assembly **9**, opposite the right inward rim **7**. The lower slot **24** of the front-right flap assembly **9** traverses through the bottom panel **1**, adjacent to the second support flap **18** of the front-right flap assembly **9**. The lower slot **24** of the front-right flap assembly **9** is engaged by the lower tab **22** of the front-right flap assembly **9**, as show in FIG. **7**, in order to secure the front-right flap assembly **9** to the bottom panel **1**, the front panel **2** and the right panel **5**.

Further, the right locking flap **20** comprises a locking tab **25** and the second support flap **18** of the front-right flap assembly **9** comprises a locking slot **26**. The locking tab **25** of the right locking flap **20** is adjacently connected to the right locking flap **20**, opposite to the front panel **2**. The locking slot **26** traverses through the second support flap **18** adjacent to the right locking flap **20**. The locking slot **26** of the front-right flap assembly **9** is engaged by the locking tab **25** of the right locking flap **20** in order to further secure the front-right flap assembly **9** in the preferred configuration, similar to the left locking flap **19** depicted in FIG. **3**.

Further in accordance to the preferred embodiment of the present invention, the bracing flap **16**, the first support flap **17**, and the second support flap **18** of the rear-left flap assembly **10** provide structural support between the rear panel **3** and the left panel **4**. The bracing flap **16** of the rear-left flap assembly **10** is foldably and adjacently connected to the rear panel **3** and positioned parallel to the left panel **4**, reinforcing the left panel **4**. The first support flap **17** of the rear-left flap assembly **10** is foldably and adjacently connected to the left inward rim **6** and positioned parallel against the rear panel **3**, reinforcing the rear panel **3**. The second support flap **18** of the rear-left flap assembly **10** is foldably and adjacently connected to the first support flap **17** of the rear-left flap assembly **10** and positioned parallel against the bracing flap **16** of the rear-left flap assembly **10**, further reinforcing the left panel **4**.

In order to secure the rear-left flap assembly **10** in position with the rear panel **3** and the left panel **4**, the preferred embodiment of the rear-left flap assembly **10** further comprises an upper tab **21**, a lower tab **22**, an upper slot **23**, and a lower slot **24**. The upper tab **21** of the rear-left flap assembly **10** is adjacently connected to the bracing flap **16** of the rear-left flap assembly **10**, opposite the bottom panel **1**. The upper slot **23** of the rear-left flap assembly **10** traverses through the left inward rim **6**, adjacent to the

bracing flap **16** of the rear-left flap assembly **10**. The upper slot **23** of the rear-left flap assembly **10** is engaged by the upper tab **21** of the rear-left flap assembly **10** to secure the position of the bracing flap **16** of the rear-left flap assembly **10**. The lower tab **22** of the rear-left flap assembly **10** is adjacently connected to the second support flap **18** of the rear-left flap assembly **10**, opposite the left inward rim **6**. The lower slot **24** of the rear-left flap assembly **10** traverses through the bottom panel **1**, adjacent to the second support flap **18** of the rear-left flap assembly **10**. The lower slot **24** of the rear-left flap assembly **10** is engaged by the lower tab **22** of the rear-left flap assembly **10**, as shown in FIG. **8**, in order to secure the rear-left flap assembly **10** to the bottom panel **1**, the rear panel **3** and the left panel **4**.

Similarly, the bracing flap **16**, the first support flap **17**, and the second support flap **18** of the rear-right flap assembly **11** provide structural support between the rear panel **3** and the right panel **5**. The bracing flap **16** of the rear-right flap assembly **11** is foldably and adjacently connected to the rear panel **3** and positioned parallel to the right panel **5**, reinforcing the right panel **5**. The first support flap **17** of the rear-right flap assembly **11** is foldably and adjacently connected to the right inward rim **7** and positioned parallel against the rear panel **3**, reinforcing the rear panel **3**. The second support flap **18** of the rear-right flap assembly **11** is foldably and adjacently connected to the first support flap **17** of the rear-right flap assembly **11** and positioned parallel against the bracing flap **16** of the rear-right flap assembly **11**, further reinforcing the right panel **5**.

In order to secure the rear-right flap assembly **11** in position with the rear panel **3** and the right panel **5**, the preferred embodiment of the rear-right flap assembly **11** further comprises an upper tab **21**, a lower tab **22**, an upper slot **23**, and a lower slot **24**, as shown in FIG. **8**. The upper tab **21** of the rear-right flap assembly **11** is adjacently connected to the bracing flap **16** of the rear-right flap assembly **11**, opposite the bottom panel **1**. The upper slot **23** of the rear-right flap assembly **11** traverses through the right inward rim **7**, adjacent to the bracing flap **16** of the rear-right flap assembly **11**. The upper slot **23** of the rear-right flap assembly **11** is engaged by the upper tab **21** of the rear-right flap assembly **11** to secure the position of the bracing flap **16** of the rear-right flap assembly **11**. The lower tab **22** of the rear-right flap assembly **11** is adjacently connected to the second support flap **18** of the rear-right flap assembly **11**, opposite the right inward rim **7**. The lower slot **24** of the rear-right flap assembly **11** traverses through the bottom panel **1**, adjacent to the second support flap **18** of the rear-right flap assembly **11**. The lower slot **24** of the rear-right flap assembly **11** is engaged by the lower tab **22** of the rear-right flap assembly **11**, as shown in FIG. **8** in order to secure the rear-right flap assembly **11** to the bottom panel **1**, the rear panel **3** and the right panel **5**.

To decrease the amount of waste material through production of the present invention, the present invention comprises a tongue flap **27**. The tongue flap **27** is foldably connected to the front panel **2**, adjacent to the front opening **12**. The tongue flap **27** is positioned between the left locking flap **19** and the right locking flap **20**. In the preferred embodiment, the tongue flap **27** is pressed against the front panel **2** in order to increase the area of the front opening **12**, allowing the user easier access of the contents stored within the present invention. Ensuring that the tongue flap **27** presses against the front panel **2**, the present invention comprises a tongue tab **28** and a tongue slot **29**. The tongue tab **28** is adjacently connected to the tongue flap **27**, in opposition to the front panel **2** and the tongue slot **29** traverses through the bottom panel **1** adjacent to the tongue flap **27**. The tongue slot **29** is engaged by the tongue tab **28**, securing the tongue flap **27** adjacent to the front panel **2**.

As previously mentioned, the present invention is preferred to be configured into a retail display tray and preferred to be easily able to be transported. The present invention comprises a left handle hole **14** and a right handle hole **15**, as shown in FIG. **1** and FIG. **2**, such that the user is able to transport objects through implementation of the present invention. The left hand hole and the right handle hole **15** traverse through the left panel **4** and the right panel **5**, respectively, thus allowing the user to grip the present invention in a more convenient manner. The left handle hole **14** and the right handle hole **15** are concentrically positioned with each other such that the user can grasp the present invention effectively and efficiently.

Although the invention has been explained in relation to its preferred embodiment, it is to be understood that many other possible modifications and variations can be made without departing from the spirit and scope of the invention.

What is claimed is:

1. A low scrap tray comprises:
- a bottom panel;
- a front panel;
- a rear panel;
- a left panel;
- a right panel;
- a left inward rim;
- a right inward rim;
- a front-left flap assembly;
- a front-right flap assembly;
- a rear-left flap assembly;
- a rear-right flap assembly;
- a front opening;
- a top opening;
- the front panel and the left panel being interlocked with each other by the front-left flap assembly;
- the front panel and the right panel being interlocked with each other by the front-right flap assembly;
- the back panel and the left panel being interlocked with each other by the rear-left flap assembly;
- the back panel and the right panel being interlocked with each other by the rear-right flap assembly;
- the left inward rim being perpendicularly positioned to the left panel, opposite the bottom panel;
- the right inward rim being perpendicularly positioned to the right panel, opposite the bottom panel;
- the front opening traversing through the front panel;
- the top opening being perimetrically delineated by the front opening, the left inward rim, the right inward rim, and the rear panel;
- a left locking flap;
- the front-left flap assembly comprises a bracing flap, a first support flap, a second support flap;
- the bracing flap being foldably and adjacently connected to the front panel;
- the bracing flap being positioned parallel against the left panel;
- the first support flap being foldably and adjacently connected to the left inward rim;
- the first support flap being positioned parallel against the front panel;
- the second support flap being foldably and adjacently connected to the first support flap;
- the second support flap being positioned parallel against the bracing panel;

the left locking flap being foldably connected to the front panel, adjacent to the front opening;
the left locking flap being positioned parallel against the first support flap;
the front-left flap assembly further comprises an upper tab, a lower tab, an upper slot, and a lower slot;
the upper tab being adjacently connected to the bracing flap, opposite the bottom panel;
the upper slot traversing through the left inward rim, adjacent to the bracing flap;
the upper slot being engaged by the upper tab;
the lower tab being adjacently connected to the second support flap, opposite the left inward rim;
the lower slot traversing through the bottom panel, adjacent to the second support flap;
the lower slot being engaged by the lower tab;
the left locking flap comprises a locking tab;
the second support flap comprises a locking slot;
the locking tab being adjacently connected to the left locking flap, opposite to the front panel;
the locking slot traversing through the second support flap, adjacent to the left locking flap; and
the locking slot being engaged by the locking tab.

2. The low scrap tray as claimed in claim **1** comprises:
the left panel being foldably and adjacently connected to the bottom panel; and
the right panel being foldably and adjacently connected to the bottom panel, opposite to the left panel.

3. The low scrap tray as claimed in claim **1** comprises:
the front panel being foldably and adjacently connected to the bottom panel; and
the rear panel being foldably and adjacently connected to the bottom panel, opposite to the front panel.

4. The low scrap tray as claimed in claim **1** comprises:
the left inward rim being foldably and adjacently connected to the left panel, opposite the bottom panel; and
the right inward rim being foldably and adjacently connected to the right panel, opposite the bottom panel.

5. The low scrap tray as claimed in claim **1** comprises:
a right locking flap;
the front-right flap assembly comprises a bracing flap, a first support flap, a second support flap,
the bracing flap being foldably and adjacently connected to the front panel;
the bracing flap being positioned parallel against the right panel;
the first support flap being foldably and adjacently connected to the right inward rim;
the first support flap being positioned parallel against the front panel;
the second support flap being foldably and adjacently connected to the first support flap;
the second support flap being positioned parallel against the bracing panel;
the right locking flap being foldably connected to the front panel, adjacent to the front opening; and
the right locking flap being positioned parallel against the first support flap.

6. The low scrap tray as claimed in claim **5** comprises:
the front-right flap assembly further comprises an upper tab, a lower tab, an upper slot, and a lower slot;
the upper tab being adjacently connected to the bracing flap, opposite the bottom panel;
the upper slot traversing through the right inward rim, adjacent to the bracing flap;
the upper slot being engaged by the upper tab;
the lower tab being adjacently connected to the second support flap, opposite the right inward rim;
the lower slot traversing through the bottom panel, adjacent to the second support flap; and
the lower slot being engaged by the lower tab.

7. The low scrap tray as claimed in claim **6** comprises:
the right locking flap assembly further comprises a locking tab;
the second support flap comprises a locking slot;
the locking tab being adjacently connected to the right locking flap, opposite to the front panel;
the locking slot traversing through the second support flap, adjacent to the right locking flap; and
the locking slot being engaged by the locking tab.

8. The low scrap tray as claimed in claim **1** comprises:
the rear-left flap assembly comprises a bracing flap, a first support flap, and a second support flap;
the bracing flap being foldably and adjacently connected to the rear panel;
the bracing flap being positioned parallel against the left panel;
the first support flap being foldably and adjacently connected to the right inward rim;
the first support flap being positioned parallel against the rear panel;
the second support flap being foldably and adjacently connected to the first support flap; and
the second support flap being positioned parallel against the bracing flap.

9. The low scrap tray as claimed in claim **8** comprises:
the rear-left flap assembly further comprises an upper tab, a lower tab, an upper slot, and a lower slot;
the upper tab being adjacently connected to the bracing flap, opposite the bottom panel;
the upper slot traversing through the left inward rim, adjacent to the bracing flap;
the upper slot being engaged by the upper tab;
the lower tab being adjacently connected to the second support flap, opposite the left inward rim;
the lower slot traversing through the bottom panel, adjacent to the second support flap; and
the lower slot being engaged by the lower tab.

10. The low scrap tray as claimed in claim **1** comprises:
the rear-right flap assembly comprises a bracing flap, a first support flap, and a second support flap;
the bracing flap being foldably and adjacently connected to the front panel;
the bracing flap being positioned parallel against the right panel;
the first support flap being foldably and adjacently connected to the top rim;
the first support flap being positioned parallel against the front panel;
the second support flap being foldably and adjacently connected to the first support flap; and
the second support flap being positioned parallel against the bracing panel.

11. The low scrap tray as claimed in claim **1** comprises:
a tongue flap;
the tongue flap being foldably connected to the front panel, adjacent to the front opening;
the tongue flap being positioned in between a left locking flap and a right locking flap; and
the tongue flap being pressed parallel against the front panel.

12. The low scrap tray as claimed in claim **11** comprises:
a tongue tab;

a tongue slot;

the tongue tab being adjacently connected to the tongue flap, opposite to the front panel;

the tongue slot traversing through the bottom panel, adjacent to the tongue flap; and

the tongue slot being engaged by the tongue tab.

13. The low scrap tray as claimed in claim **1** comprises:

a left handle hole;

a right handle hole;

the left handle hole traversing through the left panel;

the right handle hole traversing through the right panel; and

the left handle hole and the right handle hole being concentrically positioned with each other.

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